

## PATENT COOPERATION TREATY

## **PCT**

## INTERNATIONAL SEARCH REPORT

· (PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER s	ee Form PCT/ISA/220				
P04EB020PCT		where applicable, item 5 below.				
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)				
PCT/KR2004/003559	31 DECEMBER 2004 (31.12.2004)	19 JANUARY 2004 (19.01.2004)				
Applicant .						
Electronics and Telecommunications Research Institute et al						
This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.						
This international search report consists of a total of sheets.						
It is also accompanied by a copy of each prior art document cited in this report.						
Basis of the report     a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.    The international application of the language is a search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.						
The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).						
b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.						
2. Certain claims were found unsearchable (See Box No. II)						
3. Unity of invention is lacking (See Box No. III)						
4. With regard to the title,						
the text is approved as submitted by the applicant.						
the text has been established by this Authority to read as follows:						
F 1774						
5. With regard to the abstract,						
the text is approved as submittee						
the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.						
	date of maning of this international search repor	i, submit comments to this Authority.				
6. With regard to the drawings,						
a. the figure of the drawings to be published with the abstract is Figure No.						
as suggested by the applicant.						
because the applicant failed to suggest a figure.						
because this figure better characterizes the invention.  b. none of the figure is to be published with the abstract.						
b. none of the figure is to be published	ueu wiui tije aostraci.					

## INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/003559

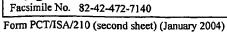
27 APRIL 2005 (27.04.2005)

Authorized officer

LEE, Seung Han

Telephone No. 82-42-481-5761

			PCT/KR2004/003559		
A. CLA	SSIFICATION OF SUBJECT MATTER				
IPC7 E	I04N 7/015				
According to	International Patent Classification (IPC) or to both natio	nal classification and IPC			
	DS SEARCHED				
Minimum doo IPC7 H04N	cumentation searched (classification system followed by 7/015	classification symbols)			
	on searched other than minimum documentation to the entrandary applications for inventions since 1975	xtent that such documents are i	ncluded in the f	ields searched	
Electronic da USPAT, IEI	ta base consulted during the intertnational search (name EE	of data base and, where practic	able, search terr	ns used)	
C. DOCU	MENTS CONSIDERED TO BE RELEVANT			T	
Category*	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.	
<b>x</b> ·	US 5828954 A (LUCENT TECHNOLOGIES INC.) 27 OCTOBER 1998			1-5, 9-13	
<b>Y</b> .	·  -		•	6-8, 14-16	
A	KR 2002-0088304 A (LG ELECTRONICS) 27 NOVEMBER 2002			1,9	
A	IEEE Transactions on Broadcasting, Vol.48, No.2, II Salchian, K. et al.: "On-channel repeater for digital		. · !!	1,9	
Furthe	er documents are listed in the continuation of Box C.	See patent famil	y annex.	<u> </u>	
"A" document to be of property of the carlier and filing dat document cited to special property of document means "P" document means	categories of cited documents: at defining the general state of the art which is not considered particular relevance pplication or patent but published on or after the international te at which may throw doubts on priority claim(s) or which is establish the publication date of citation or other reason (as specified) at referring to an oral disclosure, use, exhibition or other at published prior to the international filing date but later priority date claimed	"T" later document published date and not in conflict v the principle or theory un "X" document of particular reconsidered novel or can step when the document "Y" document of particular reconsidered to involve an combined with one or mobeing obvious to a person "&" document member of the	with the application and entire the claim not be considered is taken alone levance; the claim inventive step were other such doc skilled in the art	on but cited to understand nation led invention cannot be to involve an inventive led invention cannot be then the document is suments, such combination	
Date of the ac	Date of the actual completion of the international search  Date of mailing of the international search report				



Name and mailing address of the ISA/KR

25 APRIL 2005 (25.04.2005)

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